



10-21-02

1733

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Harcourt et al.

Examiner: Rossi

Art Unit: 1733

Serial No: 09/768,024

Filed: January 23, 2001

For: APPARATUS AND METHOD FOR CONTINUOUSLY AND ENDLESSLY
VULCANIZING RUBBER HOSE

#8/02ee
10/20/02

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October 18, 2002

COMMISSIONER OF PATENTS
AND TRADEMARKS
Washington, D. C. 20231

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INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§1.97 AND 1.98

Dear Sir:

A. (1) Applicant hereby discloses the following United States Patent(s) pursuant
to 37 C.F.R. §1.98:

	<u>Patent No.</u>	<u>Issue Date</u>	<u>Inventor</u>
1.	3,966,387	June 29, 1976	Babbin et al.
2.	3,972,757	Aug. 3, 1976	Derderian et al.
3.	4,247,271	Jan. 27, 1981	Yonekura et al.
4.	4,488,921	Dec. 18, 1984	Dougherty
5.	4,559,095	Dec. 17, 1985	Babbin
6.	4,623,419	Nov. 18, 1986	Price
7.	4,702,867	Oct. 27, 1987	Sejimo et al.

8.	5,453,229	Sept. 26, 1995	Enomoto
9.	4,483,815	Nov. 20, 1984	Torghele
10.	4,512,942	Apr. 23, 1985	Babbin
11.	5,091,026	Feb. 25, 1992	Shizuo et al.

B. Copies of the patents and literature are included herewith pursuant to 37 C.F.R. §1.98.

C. Explanation of Relevance pursuant to 37 C.F.R. §1.98.

1. U.S. Patent No.3,966,387 to Babbin et al. discloses a helical extending vulcanizing chamber with entrance and exit sealing means.

2. U.S. Patent No.3,972,757 to Derderian et al. discloses a batch process for vulcanizing, without the use of a lead press, reinforced elastomeric hose built up on a solid mandrel.

3. U.S. Patent No.4,247,271 to Yonekura et al. discloses a vulcanizer.

4. U.S. Patent No.4,488,921 to Dougherty discloses a method of fabricating long length hose.

5. U.S. Patent No.4,559,095 to Babbin discloses an externally jacketed tubular article which may be inflated during the vulcanization process to maintain the circular cross-sectional shape of the tubular article.

6. U.S. Patent No.4,623,419 to Price discloses a steam sack vulcanizing apparatus.

7. U.S. Patent No.4,702,867 to Sejimo et al. discloses a method for continuously vulcanizing rubber hose under normal pressure while preventing foaming of the unvulcanized rubber by covering the hose with a thin layer of resin.

8. U.S. Patent No. 5,453,229 to Enomoto discloses a method for producing a long reinforced hose.

9. U.S. Patent No. 4,483,815 to Torghele discloses a process for vulcanizing elastomeric hoses.

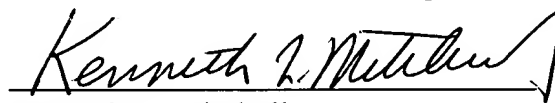
10. U.S. Patent No. 4,512,942 to Babbin et al. discloses a method and apparatus for vulcanizing hose.

11. U.S. Patent No. 5,091,026 to Shizuo et al. discloses a method for vulcanizing a hose.

Please charge deposit account 23-3060 if any fee deficiency exists.

Respectfully submitted,

WOODLING, KROST & RUST

A handwritten signature in cursive script, reading "Kenneth L. Mitchell", written over a horizontal line.

Kenneth L. Mitchell

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